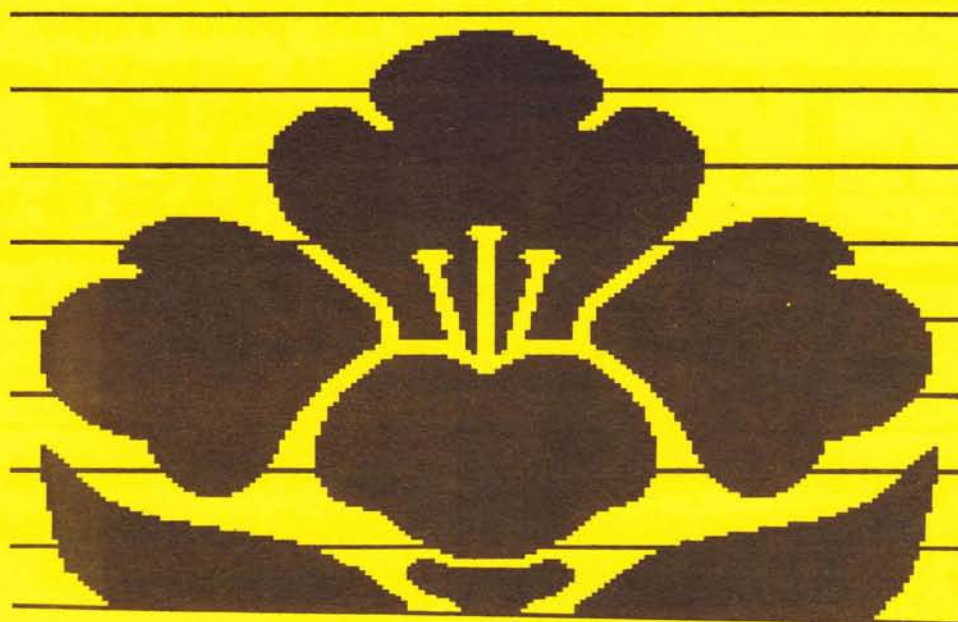


*San  
Leandro* **JOURNAL**  
*Computer  
Club*

March, 1993



**SPRING**



# ATY COMPUTER

Voice & Fax  
(510) 482-3775

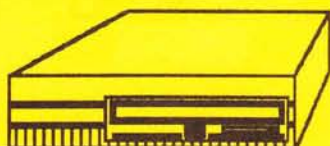
3727 13th Ave., Oakland CA 94610

We are totally committed to the Atari ST, STE, TT & Falcon computers



## Falcon ... Falcon ... Falcon

We are expecting the Falcon to be in stock in March so please reserve your order now.



When you buy a hard drive check the quality of construction. Our hard drive, removable drive, and floptical drive are built to the highest standard. Each includes an ICD host adapter, all metal heavy duty compact 10"x11"x2.5" case, quiet cooling fan, power supply, SCSI ID select button, DMA ports, SCSI port, and DMA/SCSI device select switch.



Check out our new Toshiba CD-Rom drive. It supports multi-session Kodak Photo CD. And it is fast! 330k/s transfer rate and 200ms access.

*Is your ST computer feeling a little "under the weather"?  
We provide full repair and upgrade service for your Atari  
ST computers. Please call us for detail.*

**Great Bargain!**

**Brand new good old Mega ST 4 meg RAM \$589.**

Store Hours: M-F 10a.m.-7p.m., Sat 12-6p.m.

Authorized  **ATARI** COMPUTER Dealer and Service Center



Permission to reprint uncopyrighted articles in any non-commercial form is permitted without written authorization, provided excessive praise is given to the SLCC and the author.

Opinions expressed are not necessarily those of the SLCC, its officers, their family members or neighbors and maybe not even those of the authors or editorial staff. We will write anything to fill these pages.



**New Editor:**

Steve Goldstein  
(408) 257-2058

**8-Bit Editor:**

Bob Woolley

San Leandro Computer Club  
P.O. Box 1506  
San Leandro, CA 94577-0374

An independent, non-profit organization of Atari microcomputer users. Membership provides access to the club print and magnetic libraries, subscription to the Journal and participation in club activities. A membership application may appear elsewhere in this issue.

**Club Officers:**

President	Bob Woolley	865-1672
Vice-President	Robbie Bridges	797-5636
Treasurer	Glenn Fowler	530-7128
Secretary	Jim Moran	865-6122

**Retired Program Chairman:**

**General & ST**

Keith Sammons 887-2008

**Software Chairmen:**

8-Bit	Bob Scholar	232-5330
16-Bit	Glenn Fowler	530-7128

**Disk Librarians:**

8-Bit	Glenn Fowler	530-7128
16-Bit	Joe Castro	865-1852

**Print Librarian:**

8 & 16-Bit Einar Andrade 484-4484

**Special Interest Groups:**

Beginners ST	Jim Moran	865-6122
Beginners 8-Bit	Glen Fowler	530-7128
Business	Ralf Herman	(408) 257-7760
Publishing	Ray Thomas	791-9158

March • 1993  
FEATURES

8-Bit Disk of the Month.....4  
Bob Scholar

Pounding the 8-Bits.....5  
Bob Woolley

Virus News.....7  
from the Internet

Minutes.....10  
Steve Goldstein

**Official SLCC BBS**

8/16 - Key System (510) 352-5528

**Official ATARI BBS**

(408) 745-2196

**Z-Net Golden Gate**

(510) 373-6792

**Non-Member Ad Rates:**

Full Page — 3 Issues	\$100
Single Issue Prices	
Full Page	50
Half Page	30
Quarter Page	18
Business Card Size	5



## OUR 8-BIT DISKS

by Bob Scholar SLCC 8-bit Software Chairman

SLCC1102 - February 1993

### General Comments

If you subscribed to the new AC (Atari Classics) Magazine with disk;- one of the features on here will look familiar. If you didn't, you should! -the 8-Bits need all the support they can get! I have taken on the job of Advertising Editor for AC. I have no experience whatsoever along this line ..so...we'll see how it works out!!

Two \*.DOC files on this disk are in Word Processor format (CRs only at the ends of paragraphs):- DSKBSE.DOC and SPTIRE.DOC. Three (including the SLCC1102.DOC) are in 40 column format (actually 37 col.) and can be printed with PRINTSTAR;- as is!

### D.O.M. Summary

This disk has six user programs. Two (major) UTILities; one arcade and one logic Game; and two unusual Text ADVentures. Four have DOCs, one has internal instructions; and one DOC is given below.

### Contents - Disk #1102:

#### FRONT:-

KNIGHTS.BIN (& DOC)- called the Six Knights (Puzzle/Game) by RASSILON (Robert Patton). The KNIGHTS.FNT file is auxiliary.

DSKBSE.OBJ (or DiSKBaSe 1.0) is the featured UTILity program on this disk. Charles A. Cole's excellent review in the November 1992 issue of Current Notes is the source of the comments below. It also has an outstanding Instruction file:- DSKBSE.DOC (it's in word processor format)- printout recommended!

#### BACK:-

ARENA.BAS (ARENA RACER) - an arcade style action Game, for one player with JoyStick. See DOC below.

OREGON.BAS- is another classic Text ADventure, by courtesy of Mildred Lepley and St. Leander School. It has instructions and credits.

REFRMAT2.CTB (and DOC) is a UTILity

which reformats text for printing with PRINT STAR. It's written in Compiled Turbo Basic and includes the file RUNTIME.COM.

SPTIRE.EXE (Spare Tire, and DOC) is a Text/Adventure Game in Machine Language. Its multiple windows make playing lots more convenient and interesting.

### Program Details

ARENA.BAS (Arena Racer) is from ANTIC (MAY 1985) by Jamie Sutherland. The Arena is a vast maze of caverns. On each of its 15 levels you must get 4 glowing orbs which have been hidden and protected. As you fly among the twisting walls of the Arena scores of laser cannons fire at you! You have a time limit for each level. If you complete the fifteenth you start over - with even faster action! You start with four Huntercraft and win a bonus ship every five levels. To pick up an orb, just move over it. The Joystick trigger is the Panic Button;- as long as you hold it down, your Huntercraft stays motionless and is invulnerable to laser hits! You can always use it, but it makes your time limit run out faster. The programmer says that he never got beyond the twelfth level.

DiSKBaSe 1.0 is a P.D. database by Todd Bake. It was reviewed in the November 1992 issue of Current Notes, by Charles A. Cole. He notes that it is in ACTION! (for speed) but doesn't require the cartridge to run. Also, it can be run from a hard drive with SpartaDOS X; it can store data files on a hard drive or a double-density, double-sided disk; and it stores up to 65,536 records! It has a fine DOC file- I revised it to Word Processor format for easier printout!

KNIGHTS.BIN (& its DOC) - or the Six Knights puzzle, is another one of Rassilon's excellent brain twisters! It has its own \*.DOC and an auxiliary file- KNIGHTS.FNT.

OREGON.BAS - or the OREGON TRAIL is a classic Text ADventure Game. It is from Creative Computing (1978). It has a list of credits (in the REMs of the code) for about four adaptations. This version came from Mildred Lepley and the St. Leander School- issued by the CUES (Computer Using Educators of San Mateo County). I tried to notify them of our intent to use it on this disk, but they seem to be gone! The program has complete instructions. I had no trouble running it even though Mildred said that there seemed to be some problems. Make sure you type all commands in UPPERCASE!

REFORMAT by Thomas J. Andrews is listed as version 2.01 (1991). SLCC #0905 has an earlier issue. It's the second featured UTILity on this disk. I found it on the current (and first) ATARI CLASSICS disk; with its 40 col. DOC. It's in compiled TURBOBASIC, so it must have RUNTIME.COM on the same disk in order to Run. Remember this when transferring it to another disk! To use this fine UTILity, you'll need an XL or XE, because it's in TB. The DOC will walk you through plus giving many excellent tips on DOS's to use, loading from DOS, or making a bootstrap disk, etc. I used it and found that it required a small amount of editing to be sure that all the details were as I wanted them;- the margins were especially tricky! All in all, it is a fine program and a real help if you are preparing text for printout with PRINTSTAR (also by T.J. Andrews).

SPTIRE.EXE- (Sparetire) is a most unusual Text ADventure/Game from the June 1988 Issue of ANTIC. Steven Lee and his sister are the programmers. Written in MAC/65 machine Language it uses multiple windows. It's subtitled the Grand Underground Text Adventure and should remind you of ZORK. I took the DOC from the magazine disk, with some very minor editing.



# Pounding on the 8-Bits

*Buy your own / Share what you know / 8 bits are plenty*

**March 1993**

I guess I need to get started on some software for this IDE drive since that is all I hear about when I demo the thing.... I'll just let all you folks out there follow along while I try to hack this stuff together, OK? (you know the old saying - give someone a fish and he eats for a day: teach him to fish and he eats for the rest of his life)

The main objective here will be to make this IDE driver work with as much existing software as possible. This does not mean that it will work with everything out there! Certainly DOS 2.0 and MYDOS. Hopefully SpartaDOS and any DOS 2.0 internals, such as those on PaperClip and the SYN series. Programs that rip out the PBI driver will NOT work on this device since we will use that code to hook into the IDE. If you look around a bit you will discover that no section of the OS code is really "safe" for our use, so we will be using a section of the OS ROM that nobody can even get into - \$D600 thru \$D7FF. This is an unused section of the hardware area and can only be accessed by added circuitry. The Black Box is the only modification that uses these blocks that I am aware of, but if you have a BB, you don't need this guy!

So, let's get started. First thing we need to do is make it easy to test this thing. By that, I mean to test the added code as we write it. What we will be doing is switching to RAM OS and writing our new code into someplace convenient, like the alternate character set. As I explained earlier, you can't put your finished routines anywhere in the existing OS addresses since almost every location is used by some dumb program or other, but we can use places like cassette drivers for development. This will require us to make the code relocatable, however (relocatable means that you can move it to another place in memory without recompiling and it will still run).

The general mode of operation will be:

- hook into the PBI code with our new driver
- test the device to see if it is the IDE drive(s)
- if yes - branch to our routines and do the I/O  
(return as if PBI device handled I/O)
- if no - continue with the normal PBI code

So, how to get your OS from ROM to RAM.....

This nifty little routine will copy your OS at \$C000-\$FFFF to \$4000 - \$7FFF, switch \$C000-\$FFFF to RAM, and then move \$4000-\$7FFF (the OS code) into \$C000-\$FFFF. You will notice that it skips \$D000-\$D7FF since that is the hardware area where no code is present. Once you run this routine, you can modify anything in the OS as you please. Of course, if you step on the wrong part of your OS, the system will crash, so be careful.

```
0100 ; ***** RAMOS.M65 *****
0110 ;
0120 ; *** CREATES RAM O.S.
0130 ; *** PAGE 217 - MAPPING THE ATARI...REVISED EDITION
0140 * = $0600
0150 LDA #$00
0160 STA $CB
0170 STA $CD
0180 LDA #$C0
0190 STA $CC
0200 LDA #$40
0210 STA $CE
0220 LDY #$00
0230 PASS1 LDA ($CB),Y
0240 STA ($CD),Y
0250 INY
0260 BNE PASS1
0270 INC $CE
0280 INC $CC
0290 BEQ SWAP
0300 LDA $CC
0310 CMP #$D0
0320 BNE PASS1
0330 LDA #$D8
0340 STA $CC
0350 BNE PASS1
0360 SWAP PHP
0370 SEI
0380 LDA $D40E
0390 PHA
0400 LDA #$00
0410 STA $D40E
0420 LDA $D301
0430 AND #$FE
0440 STA $D301
0450 LDA #$C0
0460 STA $CE
0470 LDA #$40
0480 STA $CC
0490 PASS2 LDA ($CB),Y
0500 STA ($CD),Y
0510 INY
0520 BNE PASS2
0530 INC $CC
0540 INC $CE
0550 BEQ ENABLE
0560 LDA $CE
0570 CMP #$D0
0580 BNE PASS2
0590 LDA #$D8
0600 STA $CE
0610 BNE PASS2
0620 ENABLE PLA
0630 STA $D40E
0640 PLP
0650 RTS
```

**ASSEMBLE THIS CODE  
AND RENAME IT  
AUTORUN.SYS WITH  
A RUN ADDRESS OF  
\$600**



# MICROWORLD

1514 UNIVERSITY AVE., BERKELEY, CA. USA, (510)845-2000, FAX (510)548-2119

## ALL ATARI STUFF AT DISCOUNT

**Show your colors!** If you like Atari put your money where your mouth is. We have the largest stock of Atari products and software in the United States. As you might suspect seeing an SLCC member buying something is as rare as seeing an Atari advertisement. Ask yourself, why would anyone want to sell or support Atari products if you won't?

In other words, we will keep the faith if you will- so let's see some of this software flying off the shelves. **40% OFF** for March only. If we do not get \$200 sales to SLCC members we will cancel all future discounts to SLCC so use it or lose it!

Of course we have the best prices and best quality on hard drives, 1040 STE's and we will carry the Falcon when it ships.

I am very serious that want to see you if you want a full selection of ST equipment to continue in the Bay Area. I'm sure you know the small selection at ATY and the tiny display of ST stuff at Winner's Circle. Frankly, no one is going to carry Atari stuff out of the goodness of their heart.

If I don't see an increase of support, I guarantee you I will decrease mine. So as I said **USE IT OR LOSE IT** for discount and support. I am not trying to offend you, but I must base what I do for a living on the rewards involved.

## SPECIALS

Atari compatible  
(CANON) postscript &  
HP II compatible laser  
printer w/2 megs.

**\$995 cash!**

## HARD DRIVES

84 meg HD \$525

48 meg HD \$425

## MODEMS

2400 BPS w/  
software and cable

**\$99**

## Lynx

full package

**\$129**

***We take trade  
ins!!!***

---

# Computer Virus News

The latest in computer virus news direct from the internet....

**PAUL REVERE VIRUS:** This revolutionary virus does not horse around. It warns you of impending hard disk attach--once if by LAN, twice if by C.

**POLITICALLY CORRECT VIRUS:** Never calls itself a "virus", but instead refers to itself as an "electronic microorganism".

**RIGHT TO LIFE VIRUS:** Won't allow you to delete a file, regardless of how old it is. If you attempt to erase a file, it requires you to first see a counselor about possible alternatives.

**ROSS PEROT VIRUS:** Activates every component in your system, just before the whole thing quits.

**MARIO CUOMO VIRUS:** It would be a great virus, but it refuses to run.

**OPRAH WINFREY VIRUS:** Your 200MB hard drive suddenly shrinks to 80MB, and then slowly expands back to 200MB.

**AT&T VIRUS:** Every three minutes it tells you what great service you are getting.

**THE MCI VIRUS:** Every therr minutes it reminds you that you're paying too much for the AT&T virus.

**TED TURNER VIRUS:** Colorizes your monochrome monitor.

**ARNOLD SCHWARZENEGGER VIRUS:** Terminates and stays resident.  
It'll be back.

**DAN QUAYLE VIRUS:** Their is sumthing rong with your compueter, ewe just can't figyour out watt.



---

**GOVERNMENT ECONOMIST VIRUS:** Nothing woks, but all your diagnostic software says everything is fine.

**NEW WORLD ORDER VIRUS:** Probably harmless, but it makes a lot of people really mad just thinking about it.

**FEDERAL BUREAUCRAT VIRUS:** Divides your hard disk into hundreds of little units each of which does practically nothing, but all of which claim to be the most important part of the computer.

**GALLUP VIRUS:** Sixty percent of the PCs infected will lose 38 percent of their data 14 percent of the time (plus or minus a 3.5 percent margin of error).

**TEXAS VIRUS:** Makes sure that it's bigger than any other file.

**ADAM AND EVE VIRUS:** Takes a couple of bytes out of your Apple.

**MICHAEL JACKSON VIRUS:** Hard to identify because it is constantly altering its appearance. This virus won't harm your PC, but it will trash your car.

**CONGRESSIONAL VIRUS:** The computer locks up, screen splits erratically with a message appearing on each half blaming the other side for the problem.

**AIRLINE VIRUS:** You're in Oakland, but your data is in Singapore.

**FREUDIAN VIRUS:** Your computer becomes obsessed with marrying its own motherboard.

**PBS VIRUS:** Your PC stops every few minutes to ask for money.

**ELVIS VIRUS:** Your computer gets fat, slow, and lazy and then self destructs, only to resurface at shopping malls and service stations across rural America.

**OLLIE NORTH VIRUS:** Turns your printer into a document shredder.



---

**NIKE VIRUS:** Just Does It!

**SEARS VIRUS:** Your data won't appear unless you buy new cables, power supply and a set of shocks.

**JIMMY HOFFA VIRUS:** Nobody can find it.

**CONGRESSIONAL VIRUS 2:** Runs every program on the hard drive simultaneously, but doesn't allow the user to accomplish anything.

**KEVORKIAN VIRUS:** Helps your computer shut down whenever it wants to.

**IMELDA MARCOS VIRUS:** Sings you a song (slightly off key) on boot up then subtracts money from your Quicken account and spends it all on expensive shoes it purchases through Prodigy.

**STAR TREK VIRUS:** Invades your system in places where no virus has gone before.

**HEALTH CARE VIRUS:** Tests your system for a day, finds nothing wrong, and sends you a bill for \$4500.

**GEORGE BUSH VIRUS:** It starts by boldly stating, "Read my test..no new files!" on the screen, proceeds to fill up all the free space on your hard drive with new files, than blames it on the Congress Virus.

**CLEVELAND INDIANS VIRUS:** Makes your 486/50 machine perform like a 286/AT.

**LAPD VIRUS:** It claims it feels threatened by the other files on your PC and erases them in "self-defense".

**CHICAGO CUBS VIRUS:** Your PC makes frequent mistakes and comes in last in the reviews, but you still love it.



---

## Goldstein's Goofed-Up Minutes

The meeting was called to order (almost on time) by President Bob Woolley. Most officers were present except for our wayward secretary (which is why I have to conjure up the minutes again this month). Jim Hood shared parts of a conversation he had with Bill Rehbok. Jim said that Bill told him that the new supplier for the FALON-030 is having a 98% success ratio with the new boards and that the machines should be in stores in the U.S. very soon (2 weeks?).

Lyle Earl gave a demonstration of his "Black Box" which is an ATARI 8-bit in an IBM case. It also has a 1.44 meg floppy drive and loads of other features. Thanks Lyle for the very interesting demo.

Peter Corona also demonstrated a "morphing" disk which he created on another system which shall remain nameless.

Bob Scholar presented his 8-bit disk of the month. There being no further business, the usual crooked raffle was held. There being no further business, the meeting was adjourned.

Steve Goldstein  
Journal Editor.

---

### San Leandro Computer Club — Membership Application

Name: \_\_\_\_\_ Date: \_\_\_\_\_

Address: \_\_\_\_\_  
(Street) (City) (State) (ZIP)

Home Phone: \_\_\_\_\_  
(Optional)

**Membership No.**

Fill in as much of the following as you wish.

Interests	<input type="checkbox"/> Business	<input type="checkbox"/> Word Processing	<input type="checkbox"/> Education
	<input type="checkbox"/> Hardware	<input type="checkbox"/> Home Finance	<input type="checkbox"/> Games
	<input type="checkbox"/> Music	<input type="checkbox"/> Graphics	<input type="checkbox"/> _____

To join the SLCC by mail, send \$20.00 to SLCC • PO Box 1506 • San Leandro, CA 94577-0374





**ATARI • WINNERS CIRCLE • ATARI**

**At Winners Circle Systems we carry it all!  
WHERE WE HAVE IT ALL FOR LESS**

# **ALL Atari**

## **Game & Educational Software is 50% OFF!!**

Exceptions apply to new software and special orders.  
Limited to stock on hand.

**Winners Circle System is getting ready for the Falcon's release in April.  
We are getting our shelves ready for ALL the new software.  
So come and help us get ready and SAVE NOW!!!!**

Offer good till March 31, 1993.

## **The Bay Area Atari Headquarters!!!**



### **WINNERS CIRCLE SYSTEMS**

**2618 Telegraph Ave. • Berkeley, California • 845-4814 • FAX 845-2400**

**Authorized Corporate & Institutional Dealer**

**Monday thru Saturday 10 - 6:00**



## Calendar - March 1993

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	1	2 <b>General Meeting</b> 8:00 PM San Leandro Library	3	4	5	6
7	8 <b>ST SIG</b> 8:00 PM San Leandro Library	9	10	11	12	13
14	15	16	17	18 <b>ST Beginners</b> SIG 7:30 PM	19 <b>Publishing</b> SIG 7:30 PM	20 <b>Journal Deadline</b>
21	22	23	24	25	26	27
28	29	29	30	31		

**San  
Leandro  
Computer  
Club** P.O. Box 1506  
San Leandro, California  
94577-0374

First Class Club



First Class Postage

**NOTE:**  
The General Meeting  
will be held in the  
Senior Citizens Lounge!

Your Name could go HERE!  
See Application inside!

First Class Member